

WEST Search History

DATE: Sunday, March 12, 2006

| Hide? | <u>Set</u> <u>Name</u> | <u>Query</u> | <u>Hit</u> <u>Count</u> |
|--------------------------|---------------------------|--|----------------------------|
| | | <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i> | |
| <input type="checkbox"/> | L71 | L70 and ((flat\$4 or planar or tape) with (spring) with (support\$3 or member or shaft or rod or beam or projection) with (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2)) | 1 |
| <input type="checkbox"/> | L70 | L69 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2) with (mount\$4 or affix\$4 or afix\$4 or secur\$3 or held or retain\$4) with (support or member or shaft or rod or beam or projection)) | 20 |
| <input type="checkbox"/> | L69 | L68 and ((element or unit or sens\$3 detect\$3) with (position\$4 or locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4)) | 89 |
| <input type="checkbox"/> | L68 | ((399/323-335.ccls.) or (219/216.ccls.) or (219.619.ccls.) or (219/667-672.ccls.) or (101/463.1.ccls.)) | 12376 |
| <input type="checkbox"/> | L67 | L66 and ((element or unit or sens\$3 detect\$3) with (position\$4 or locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4)) | 1 |
| <input type="checkbox"/> | L66 | L65 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2) with (mount\$4 or affix\$4 or afix\$4 or secur\$3 or held or retain\$4) with (support or member or shaft or rod or beam or projection)) | 83 |
| <input type="checkbox"/> | L65 | L64 and ((flat\$4 or planar or tape) with (spring) with (support\$3 or member or shaft or rod or beam or projection) with (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2)) | 84 |
| <input type="checkbox"/> | L64 | L25 and ((imag\$4) with (develop\$3 or development or toner)) | 4715 |
| <input type="checkbox"/> | L63 | L62 and ((imag\$4) with (develop\$3 or development or toner)) | 1 |
| <input type="checkbox"/> | L62 | L61 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2) with (mount\$4 or affix\$4 or afix\$4 or secur\$3 or held or retain\$4) with (support or member or shaft or rod or beam)) | 4 |
| <input type="checkbox"/> | L61 | L60 and ((element or unit or sens\$3 detect\$3) with (position\$4 or locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4)) | 4 |
| <input type="checkbox"/> | L60 | L25 and ((flat\$4 or planar or tape) with (spring) with (support\$3 or member or shaft or rod or beam or projection) with (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2)) | 109 |
| <input type="checkbox"/> | L59 | L53 and ((flat\$4 or planar or tape) with (spring) with (support\$3 or member or shaft or rod or beam or projection) with (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2)) | 1 |

| | | | |
|--------------------------|-----|--|----|
| <input type="checkbox"/> | L58 | L53 and ((flat\$4 or planar or tape) with (spring) with (support or member or shaft or rod or beam or projection) with (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist2)) | 0 |
| <input type="checkbox"/> | L57 | L53 and ((flat\$4 or planar or tape) with (support or member or shaft or rod or beam or projection or spring) with (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist2)) | 2 |
| <input type="checkbox"/> | L56 | L55 and ((flat\$4 or planar or tape) with (support or member or shaft or rod or beam or projection or spring)) | 1 |
| <input type="checkbox"/> | L55 | 6114660 | 5 |
| <input type="checkbox"/> | L54 | L53 and ((flat\$4 or planar or tape) with (support or member or shaft or rod or beam or projection or spring)) | 2 |
| <input type="checkbox"/> | L53 | L36 and ((element or unit or sens\$3 detect\$3) with (locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4) with (position\$4) with (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with ((heat\$3 or thermal\$2 or temperature) with (roller or member or means))) | 3 |
| <input type="checkbox"/> | L52 | L43 and ((element or unit or sens\$3 detect\$3) with (locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4) with (position\$4) with (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with ((heat\$3 or thermal\$2 or temperature) with (roller or member or means))) | 2 |
| <input type="checkbox"/> | L51 | L50 and ((flat\$4 or planar or tape) with (spring)) | 1 |
| <input type="checkbox"/> | L50 | L49 and ((element or unit or sens\$3 detect\$3) with (locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4) with (position\$4) with (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with ((heat\$3 or thermal\$2 or temperature) with (roller or member or means))) | 2 |
| <input type="checkbox"/> | L49 | L48 and ((element or unit or sens\$3 detect\$3) with (locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4) with (position\$4)) | 2 |
| <input type="checkbox"/> | L48 | L47 and ((rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with (direction\$4 or upstream or up-stream or downstream or down-stream) with ((heat\$3 or thermal\$2 or temperature) with (roller or member or means))) | 13 |
| <input type="checkbox"/> | L47 | L46 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist2) with ((press\$4 or contact\$4) with (position\$4 or locat\$4)) with (support or member or shaft or rod or beam)) | 16 |
| <input type="checkbox"/> | L46 | L45 and ((press\$4 or contact\$4) with (position\$4 or locat\$4) with (support or member or shaft or rod or beam)) | 20 |
| <input type="checkbox"/> | L45 | L44 and ((press\$4 or contact\$4) with (position\$4 or locat\$4)) | 22 |
| <input type="checkbox"/> | L44 | L43 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist2) with (mount\$4 or affix\$4 or afix\$4 oe secur\$3 or held or retain\$4) with (support or member or shaft or rod | 22 |

| | | |
|--------------------------|---|-------|
| | or beam)) | |
| <input type="checkbox"/> | L43 L36 and ((circumference or circumferential\$2 or surface or perimeter) with (heat\$3 or thermal\$2 or temperature) with (roller or member or means)) | 78 |
| <input type="checkbox"/> | L42 L41 and ((circumference or circumferential\$2 or surface or perimeter) with (heat\$3 or thermal\$2 or temperature) with (roller or member or means)) | 6 |
| <input type="checkbox"/> | L41 L40 and ((heat\$3 or thermal\$2 or temperature) with (roller or member or means)) | 6 |
| <input type="checkbox"/> | L40 L39 and ((support\$3 or shaft\$3 or roller or member or means) with (position\$4 or locat\$4) with(contact\$4)) | 6 |
| <input type="checkbox"/> | L39 L38 and ((press\$4 or contact\$4) with (position\$4 or locat\$4)) | 6 |
| <input type="checkbox"/> | L38 L36 and (((plate or plane or flat or flatten or flatening or flattened or pancake or slab or slice) with ((heat\$3 or thermal\$2 or temperature or melt\$3) with (resist\$4)) with (film or coating))) | 6 |
| <input type="checkbox"/> | L37 L36 and (pressfit\$4 or press-fit\$4 or press-contact\$4 or presscontact\$4 or "press fit\$4" or "press contact\$4") | 8 |
| <input type="checkbox"/> | L36 L35 and ((element or unit or sens\$3 detect\$3) with (position\$4 or locat\$4) with (direction\$4 or upstream or up-stream or downstream or down-stream) with (contact\$4)) | 109 |
| <input type="checkbox"/> | L35 L34 and (press\$4) | 871 |
| <input type="checkbox"/> | L34 L33 and (support\$3 or position\$4 or contact\$3 or shaft\$3) | 910 |
| <input type="checkbox"/> | L33 L32 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2) with (direction\$4 or upstream or up-stream or downstream or down-stream)) | 914 |
| <input type="checkbox"/> | L32 L31 and (((element or unit or sens\$3 detect\$3) with (heat\$3 or thermal\$2 or temperature)) or thermometer or thermist\$2) | 2523 |
| <input type="checkbox"/> | L31 L30 and ((imag\$4) with (develop\$3 or development or toner)) | 3421 |
| <input type="checkbox"/> | L30 L29 and ((rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with (direction\$4 or upstream or up-stream or downstream or down-stream)) | 3821 |
| <input type="checkbox"/> | L29 L28 and (direction\$4 or upstream or up-stream or downstream or down-stream) | 4404 |
| <input type="checkbox"/> | L28 L27 and (circumference or circumferential\$2 or surface or perimeter) | 4661 |
| <input type="checkbox"/> | L27 L26 and ((heat\$3 or thermal\$2 or temperature or thermometer or melt\$3) with (develop\$3 or development or toner)) | 4737 |
| <input type="checkbox"/> | L26 L25 and (imag\$4) | 6347 |
| <input type="checkbox"/> | L25 L9 and (develop\$3 or development or toner) | 14736 |
| <input type="checkbox"/> | L24 L23 and ((record\$3 or captur\$4 or medium) with (develop\$3 or development)) | 20 |
| <input type="checkbox"/> | L23 L22 and ((heat\$3 or thermal\$2 or temperature or melt\$3)with (roller or member or means) with (resist\$4) with (film or coating)) | 43 |
| <input type="checkbox"/> | L22 L21 and ((heat\$3 or thermal\$2 or temperature or thermometer or melt\$3) with (roller or member or means) with (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with (direction\$4)) | 56 |
| <input type="checkbox"/> | L21 L20 and (support\$3 or position\$4 or contact\$3) | 68 |

| | | | |
|--------------------------|-----|---|---------|
| <input type="checkbox"/> | L20 | L19 and (((plate or plane or flat or flatten or flatening or flattened or pancake or slab or slice) with ((heat\$3 or thermal\$2 or temperature or melt\$3) with (resist\$4)) with (film or coating)))) | 68 |
| <input type="checkbox"/> | L19 | L18 and (((heat\$3 or thermal\$2 or temperature or melt\$3) with (resist\$4)) with (film or coating)) | 534 |
| <input type="checkbox"/> | L18 | L17 and (press\$4) | 997 |
| <input type="checkbox"/> | L17 | L16 and ((heat\$3 or thermal\$2 or temperature or melt\$3) with (resist\$4)) | 1034 |
| <input type="checkbox"/> | L16 | L15 and (film or coating) | 1690 |
| <input type="checkbox"/> | L15 | L14 and ((rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) with (direction\$4)) | 2164 |
| <input type="checkbox"/> | L14 | L13 and (direction\$4) | 2522 |
| <input type="checkbox"/> | L13 | L12 and (circumference or circumferential\$2 or surface or perimeter) | 2685 |
| <input type="checkbox"/> | L12 | L11 and ((heat\$3 or thermal\$2 or temperature or thermometer or melt\$3) with (develop\$3 or development)) | 2724 |
| <input type="checkbox"/> | L11 | L10 and (imag\$4) | 5894 |
| <input type="checkbox"/> | L10 | L9 and (develop\$3 or development) | 14233 |
| <input type="checkbox"/> | L9 | L8 and ((heat\$3 or thermal\$2 or temperature or thermometer) with (roller or member or means) with (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement)) | 43026 |
| <input type="checkbox"/> | L8 | L7 and ((heat\$3 or thermal\$2 or temperature or thermometer) with (roller or member or means)) | 137063 |
| <input type="checkbox"/> | L7 | L6 and (plate or plane or flat or flatten or flatening or flattened or pancake or slab or slice) | 479205 |
| <input type="checkbox"/> | L6 | L5 and (fix\$4 or fus\$4) | 652704 |
| <input type="checkbox"/> | L5 | L3 and (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or move or turn or turnable or turned or turning or moves or moved or movable or moving or movement) | 1180227 |
| <input type="checkbox"/> | L4 | L3 and (rotatable or rotating or rotated or rotate or rotational\$2 or wind\$4 or mov\$4 or turn\$4) | 1163022 |
| <input type="checkbox"/> | L3 | L2 and (roller or member or means) | 1738541 |
| <input type="checkbox"/> | L2 | (heat\$3 or thermal\$2 or temperature or thermometer) | 7077342 |
| <input type="checkbox"/> | L1 | (heat\$3 or thermal\$2 or temperature) | 7070604 |

END OF SEARCH HISTORY

Hit List

First Hit

Search Results - Record(s) 1 through 20 of 20 returned.

☐ 1. Document ID: US 20060024604 A1

Using default format because multiple data bases are involved.

L24: Entry 1 of 20

File: PGPB

Feb 2, 2006

PGPUB-DOCUMENT-NUMBER: 20060024604

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060024604 A1

TITLE: Toner, developer including the toner, and image forming method, image forming apparatus and process cartridge using the toner

PUBLICATION-DATE: February 2, 2006

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-------------------|------------|-------|---------|
| Sugiura; Hideki | Fuji-shi | | JP |
| Iwatsuki; Hitoshi | Numazu-shi | | JP |

US-CL-CURRENT: 430/111.4; 430/108.11, 430/109.4, 430/137.15

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | Full | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 2. Document ID: US 20050277045 A1

L24: Entry 2 of 20

File: PGPB

Dec 15, 2005

PGPUB-DOCUMENT-NUMBER: 20050277045

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050277045 A1

TITLE: Method for preparing resin and particulate material, toner prepared by the method, developer including the toner, toner container, and process cartridge, image forming method and apparatus using the developer

PUBLICATION-DATE: December 15, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-----------------|------------|-------|---------|
| Saito, Takuya | Numazu-shi | | JP |
| Tanaka, Chiaki | Tagata-gun | | JP |
| Ishii, Masayuki | Numazu-shi | | JP |

Watanabe, Naohiro Sunto-gun JP
Naithoh, Kei Sunto-gun JP

US-CL-CURRENT: 430/109.3; 430/109.1, 430/137.1, 430/137.15, 430/137.17

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|

☐ 3. Document ID: US 20050207803 A1

L24: Entry 3 of 20

File: PGPB

Sep 22, 2005

PGPUB-DOCUMENT-NUMBER: 20050207803
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050207803 A1

TITLE: Fixing device cleaning device and image forming device

PUBLICATION-DATE: September 22, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-------------------|--------------------|-------|---------|
| Deguchi, Masanobu | Kashiba-shi | | JP |
| Kida, Hiroshi | Yamatokoriyama-shi | | JP |
| Kagawa, Toshiaki | Kitakatsuragi-gun | | JP |

US-CL-CURRENT: 399/327

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|

☐ 4. Document ID: US 20050069337 A1

L24: Entry 4 of 20

File: PGPB

Mar 31, 2005

PGPUB-DOCUMENT-NUMBER: 20050069337
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050069337 A1

TITLE: Image forming apparatus

PUBLICATION-DATE: March 31, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|----------|-------|---------|
| Suzumi, Masahiko | Shizuoka | | JP |
| Sato, Akiya | Shizuoka | | JP |

US-CL-CURRENT: 399/88

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|

☐ 5. Document ID: US 20050064337 A1

L24: Entry 5 of 20

File: PGPB

Mar 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050064337

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050064337 A1

TITLE: Image forming method and image exposure device

PUBLICATION-DATE: March 24, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-------------------|--------------|-------|---------|
| Suganuma, Atsushi | Kanagawa | | JP |
| Sunagawa, Hiroshi | Kanagawa | | JP |
| Aoshima, Norio | Shizuoka-ken | | JP |
| Inno, Toshifumi | Shizuoka-ken | | JP |

US-CL-CURRENT: 430/300

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | PMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 6. Document ID: US 20040240912 A1

L24: Entry 6 of 20

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------|-------|---------|
| Fujita, Shinsuke | Tokyo | | JP |
| Mizuno, Kyoichi | Tokyo | | JP |

US-CL-CURRENT: 399/328; 399/330

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | PMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 7. Document ID: US 20040219376 A1

L24: Entry 7 of 20

File: PGPB

Nov 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040219376

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040219376 A1

TITLE: Heat resistant resin film with metal thin film, manufacturing method of the resin film, endless belt, manufacturing method of the belt, and image forming apparatus

PUBLICATION-DATE: November 4, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|--------------------|------------------|-------|---------|
| Maeyama, Ryuichiro | Ashigarakami-gun | | JP |
| Itoh, Kazuyoshi | Ashigarakami-gun | | JP |
| Naito, Yasutaka | Ashigarakami-gun | | JP |
| Ohara, Hideaki | Ashigarakami-gun | | JP |

US-CL-CURRENT: 428/457; 427/523

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|

☐ 8. Document ID: US 20040191661 A1

L24: Entry 8 of 20

File: PGPB

Sep 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040191661

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040191661 A1

TITLE: Dry toner, method for producing dry toner, and method for forming an image

PUBLICATION-DATE: September 30, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|--------------------|----------|-------|---------|
| Ohno, Manabu | Shizuoka | | JP |
| Fukushima, Motoya | Shizuoka | | JP |
| Itabashi, Hitoshi | Kanagawa | | JP |
| Katsuta, Yasushi | Shizuoka | | JP |
| Tosaka, Emi | Shizuoka | | JP |
| Fujimoto, Norikazu | Shizuoka | | JP |

US-CL-CURRENT: 430/108.24; 430/108.8, 430/109.3, 430/110.3, 430/124, 430/137.15

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|

☐ 9. Document ID: US 20040185384 A1

L24: Entry 9 of 20

File: PGPB

Sep 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040185384

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040185384 A1

TITLE: Image forming method and image exposure apparatus

PUBLICATION-DATE: September 23, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-------------------|--------------|-------|---------|
| Suganuma, Atsushi | Kanagawa | | JP |
| Sunagawa, Hiroshi | Kanagawa | | JP |
| Aoshima, Norio | Shizuoka-ken | | JP |
| Inno, Toshifumi | Shizuoka-ken | | JP |

US-CL-CURRENT: 430/315

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

☐ 10. Document ID: US 20030118363 A1

L24: Entry 10 of 20

File: PGPB

Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030118363

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030118363 A1

TITLE: Image forming apparatus

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-------------------|--------------|-------|---------|
| Izawa, Satoru | Shizuoka-ken | | JP |
| Goto, Masahiro | Mishima-shi | | JP |
| Miyamoto, Toshio | Numazu-shi | | JP |
| Suzumi, Masahiko | Numazu-shi | | JP |
| Uekawa, Eiichi | Shizuoka-ken | | JP |
| Nihonyanagi, Koji | Susono-shi | | JP |

US-CL-CURRENT: 399/69; 399/328

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

☐ 11. Document ID: US 20020118977 A1

L24: Entry 11 of 20

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020118977

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020118977 A1

TITLE: Fixing device and image forming apparatus

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|----------|-------|---------|
| Hasegawa, Hiroto | Shizuoka | | JP |
| Miyamoto, Toshio | Shizuoka | | JP |
| Izawa, Satoru | Shizuoka | | JP |
| Suzumi, Masahiko | Shizuoka | | JP |
| Kanari, Kenji | Shizuoka | | JP |

US-CL-CURRENT: 399/69; 399/44

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw Dg |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|

☐ 12. Document ID: US 20020076515 A1

L24: Entry 12 of 20

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020076515

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020076515 A1

TITLE: Heat resistant resin film with metal thin film, manufacturing method of the resin film, endless belt, manufacturing method of the belt, and image forming apparatus

PUBLICATION-DATE: June 20, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|--------------------|------------------|-------|---------|
| Maeyama, Ryuichiro | Ashigarakami-gun | | JP |
| Itoh, Kazuyoshi | Ashigarakami-gun | | JP |
| Naito, Yasutaka | Ashigarakami-gun | | JP |
| Ohara, Hideaki | Ashigarakami-gun | | JP |

US-CL-CURRENT: 428/35.8; 205/152, 428/328, 428/458

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw Dg |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|

☐ 13. Document ID: US 20020022138 A1

L24: Entry 13 of 20

File: PGPB

Feb 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020022138

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020022138 A1

TITLE: Process for producing heat-resistant resin film having metallic thin film,

process for producing endless belt, endless belt, and apparatus for forming image

PUBLICATION-DATE: February 21, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|--------------------|-----------|-------|---------|
| Maeyama, Ryuichiro | Ebina-shi | | JP |
| Uehara, Yasuhiro | Ebina-shi | | JP |
| Yasuno, Michiaki | Ebina-shi | | JP |
| Omata, Makoto | Ebina-shi | | JP |

US-CL-CURRENT: 428/457; 427/409, 428/458

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | MMIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 14. Document ID: US 6763205 B2

L24: Entry 14 of 20

File: USPT

Jul 13, 2004

US-PAT-NO: 6763205

DOCUMENT-IDENTIFIER: US 6763205 B2

**** See image for Certificate of Correction ****

TITLE: Image heating apparatus with heater in form of a plate cooperable with a rotatable member to form a heating nip

DATE-ISSUED: July 13, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|--------------|-------|----------|---------|
| Izawa; Satoru | Shizuoka-ken | | | JP |
| Goto; Masahiro | Mishima | | | JP |
| Miyamoto; Toshio | Numazu | | | JP |
| Suzumi; Masahiko | Numazu | | | JP |
| Uekawa; Eiji | Shizuoka-ken | | | JP |
| Nihonyanagi; Koji | Susono | | | JP |

US-CL-CURRENT: 399/69; 219/216, 399/328, 399/330, 399/331

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | MMIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|

☐ 15. Document ID: US 6720084 B2

L24: Entry 15 of 20

File: USPT

Apr 13, 2004

US-PAT-NO: 6720084

DOCUMENT-IDENTIFIER: US 6720084 B2

TITLE: Process for producing heat-resistant resin film having metallic thin film, process for producing endless belt, endless belt, and apparatus for forming image

DATE-ISSUED: April 13, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------|-------|----------|---------|
| Maeyama; Ryuichiro | Ebina | | | JP |
| Uehara; Yasuhiro | Ebina | | | JP |
| Yasuno; Michiaki | Ebina | | | JP |
| Omata; Makoto | Ebina | | | JP |

US-CL-CURRENT: 428/458; 156/137, 156/60, 205/143, 205/144, 205/149, 205/151,
205/152, 205/80, 264/241, 264/299, 264/319 , 427/230, 427/234, 427/237, 427/240,
427/241, 427/407.1, 427/409, 428/35.8, 428/411.1, 428/457

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 16. Document ID: US 6701102 B2

L24: Entry 16 of 20

File: USPT

Mar 2, 2004

US-PAT-NO: 6701102

DOCUMENT-IDENTIFIER: US 6701102 B2

**** See image for Certificate of Correction ****TITLE: Method and apparatus for controlling the temperature in a fixing device of
an image forming apparatus

DATE-ISSUED: March 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|----------|-------|----------|---------|
| Hasegawa; Hiroto | Shizuoka | | | JP |
| Miyamoto; Toshio | Shizuoka | | | JP |
| Izawa; Satoru | Shizuoka | | | JP |
| Suzumi; Masahiko | Shizuoka | | | JP |
| Kanari; Kenji | Shizuoka | | | JP |

US-CL-CURRENT: 399/69; 219/216, 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 17. Document ID: US 6506477 B1

L24: Entry 17 of 20

File: USPT

Jan 14, 2003

US-PAT-NO: 6506477

DOCUMENT-IDENTIFIER: US 6506477 B1

TITLE: Apparatus and method for forming three-dimensional object

DATE-ISSUED: January 14, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------|-------|----------|---------|
| Ueda; Masahide | Kashihara | | | JP |
| Kubo; Naoki | Nishinomiya | | | JP |
| Kamisaki; Akiyoshi | Takarazuka | | | JP |
| Yagi; Fumiya | Toyonaka | | | JP |

US-CL-CURRENT: 156/148, 156/242, 156/285, 156/62.2, 264/103, 264/129, 264/132,
264/280, 264/299, 264/510, 425/130, 425/190, 428/190, 428/546

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | DOC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 18. Document ID: US 6040558 A

L24: Entry 18 of 20

File: USPT

Mar 21, 2000

US-PAT-NO: 6040558

DOCUMENT-IDENTIFIER: US 6040558 A

**** See image for Certificate of Correction ****TITLE: Image heating apparatus

DATE-ISSUED: March 21, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|-------|-------|----------|---------|
| Yamazaki; Michihito | Tokyo | | | JP |

US-CL-CURRENT: 219/216; 399/329, 399/69

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | DOC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 19. Document ID: US 5819149 A

L24: Entry 19 of 20

File: USPT

Oct 6, 1998

US-PAT-NO: 5819149

DOCUMENT-IDENTIFIER: US 5819149 A

**** See image for Certificate of Correction ****TITLE: Image forming apparatus preventing change of size of image

DATE-ISSUED: October 6, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|--------|-------|----------|---------|
| Watanabe; Yasunari | Susono | | | JP |
| Otsuka; Yasumasa | Toride | | | JP |
| Hashimoto; Hiroshi | Toride | | | JP |
| Takano; Manabu | Tokyo | | | JP |

US-CL-CURRENT: 399/330; 399/44, 399/68

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | PMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 20. Document ID: US 5682580 A

L24: Entry 20 of 20

File: USPT

Oct 28, 1997

US-PAT-NO: 5682580

DOCUMENT-IDENTIFIER: US 5682580 A

TITLE: Electrophotographic serial printing apparatus

DATE-ISSUED: October 28, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|----------|-------|----------|---------|
| Iwama; Ryouichi | Kawasaki | | | JP |
| Masuda; Syuzo | Saijo | | | JP |

US-CL-CURRENT: 399/130; 347/152, 347/156, 399/320

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | PMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

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| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

| Term | Documents |
|---|-----------|
| MEDIUM | 2228705 |
| MEDIUMS | 52572 |
| MEDIA | 690148 |
| MEDIAS | 2147 |
| DEVELOPMENT | 986255 |
| DEVELOPMENTS | 85394 |
| RECORD\$3 | 0 |
| RECORD | 970549 |
| RECORDA | 200 |
| RECORDAAD | 1 |
| RECORDAAT | 1 |
| (L23 AND ((RECORD\$3 OR CAPTUR\$4 OR MEDIUM) WITH (DEVELOP\$3 OR DEVELOPMENT))) . PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD. | 20 |

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☐ 1. Document ID: US 20050173416 A1

Using default format because multiple data bases are involved.

L38: Entry 1 of 6

File: PGPB

Aug 11, 2005

PGPUB-DOCUMENT-NUMBER: 20050173416

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050173416 A1

TITLE: Heating apparatus

PUBLICATION-DATE: August 11, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---------------------|-------------|-------|---------|
| Fukushi, Kenji | Toride-shi | | JP |
| Yamauchi, Manabu | Kashiwa-shi | | JP |
| Nishihara, Hiroto | Toride-shi | | JP |
| Aiko, Yasuyuki | Toride-shi | | JP |
| Kinoshita, Hidehiko | Kashiwa-shi | | JP |
| Ohta, Tomoichirou | Kashiwa-shi | | JP |
| Hirayama, Takamitsu | Abiko-shi | | JP |

US-CL-CURRENT: 219/619

| | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|----------|

☐ 2. Document ID: US 20050006370 A1

L38: Entry 2 of 6

File: PGPB

Jan 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050006370

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050006370 A1

TITLE: Image heating apparatus

PUBLICATION-DATE: January 13, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------|-------|---------|
| Suzumi, Masahiko | Tokyo | | JP |

US-CL-CURRENT: 219/216

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 3. Document ID: US 20040240912 A1

L38: Entry 3 of 6

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus*Applicants own instant Application*

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------|-------|---------|
| Fujita, Shinsuke | Tokyo | | JP |
| Mizuno, Kyoichi | Tokyo | | JP |

US-CL-CURRENT: 399/328; 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 4. Document ID: US 7002105 B2

L38: Entry 4 of 6

File: USPT

Feb 21, 2006

US-PAT-NO: 7002105

DOCUMENT-IDENTIFIER: US 7002105 B2

TITLE: Image heating apparatus*Date No good*

DATE-ISSUED: February 21, 2006

PRIOR-PUBLICATION:

| DOC-ID | DATE |
|-------------------|------------------|
| US 20050006370 A1 | January 13, 2005 |

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|-------|-------|----------|---------|
| Suzumi, Masahiko | Tokyo | | | JP |

US-CL-CURRENT: 219/216; 399/328

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 5. Document ID: US 6987251 B2

L38: Entry 5 of 6

File: USPT

Jan 17, 2006

US-PAT-NO: 6987251

DOCUMENT-IDENTIFIER: US 6987251 B2

TITLE: Heating apparatus with temperature detection system for identifying and notifying the user that the material to be heated is wound around the induction heating element

DATE-ISSUED: January 17, 2006

Date No good

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050173416 A1

August 11, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|---------|-------|----------|---------|
| Fukushi; Kenji | Toride | | | JP |
| Yamauchi; Manabu | Kashiwa | | | JP |
| Nishihara; Hiroto | Toride | | | JP |
| Aiko; Yasuyuki | Toride | | | JP |
| Kinoshita; Hidehiko | Kashiwa | | | JP |
| Ohta; Tomoichirou | Kashiwa | | | JP |
| Hirayama; Takamitsu | Abiko | | | JP |

US-CL-CURRENT: 219/619; 219/667, 219/672, 399/328, 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | FIGS | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

☐ 6. Document ID: US 5920757 A

L38: Entry 6 of 6

File: USPT

Jul 6, 1999

US-PAT-NO: 5920757

DOCUMENT-IDENTIFIER: US 5920757 A

**** See image for Certificate of Correction ****

TITLE: Heater having an offset temperature detecting element and image heating apparatus having the heater

DATE-ISSUED: July 6, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|--------------|-------|----------|---------|
| Izawa; Satoru | Shizuoka-ken | | | JP |
| Takeda; Masami | Yokohama | | | JP |
| Miyamoto; Toshio | Numazu | | | JP |
| Hotta; Yozo | Susono | | | JP |
| Suzumi; Masahiko | Numazu | | | JP |

US-CL-CURRENT: 399/329; 219/216, 399/335

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | PMC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|

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|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

| Term | Documents |
|---|-----------|
| PLATE | 3894779 |
| PLATES | 1565729 |
| PLANE | 2096625 |
| PLANES | 404600 |
| FLAT | 1965264 |
| FLATS | 43412 |
| FLATEN | 331 |
| FLATENS | 47 |
| FLATENING | 293 |
| FLATENINGS | 2 |
| FLATENED | 699 |
| (L36 AND (((PLATE OR PLANE OR FLAT OR FLATEN OR FLATENING OR FLATENED OR PANCAKE OR SLAB OR SLICE) WITH ((HEAT\$3 OR THERMAL\$2 OR TEMPERATURE OR MELT\$3) WITH (RESIST\$4)) WITH (FILM OR COATING)))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 6 |

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☐ 1. Document ID: US 20050173416 A1

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L41: Entry 1 of 6

File: PGPB

Aug 11, 2005

PGPUB-DOCUMENT-NUMBER: 20050173416

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050173416 A1

TITLE: Heating apparatus

PUBLICATION-DATE: August 11, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Fukushi, Kenji

Toride-shi

JP

Yamauchi, Manabu

Kashiwa-shi

JP

Nishihara, Hiroto

Toride-shi

JP

Aiko, Yasuyuki

Toride-shi

JP

Kinoshita, Hidehiko

Kashiwa-shi

JP

Ohta, Tomoichirou

Kashiwa-shi

JP

Hirayama, Takamitsu

Abiko-shi

JP

US-CL-CURRENT: 219/619

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 2. Document ID: US 20050006370 A1

L41: Entry 2 of 6

File: PGPB

Jan 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050006370

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050006370 A1

TITLE: Image heating apparatus

PUBLICATION-DATE: January 13, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Suzumi, Masahiko

Tokyo

JP

US-CL-CURRENT: 219/216

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 3. Document ID: US 20040240912 A1

L41: Entry 3 of 6

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------|-------|---------|
| Fujita, Shinsuke | Tokyo | | JP |
| Mizuno, Kyoichi | Tokyo | | JP |

US-CL-CURRENT: 399/328; 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 4. Document ID: US 7002105 B2

L41: Entry 4 of 6

File: USPT

Feb 21, 2006

US-PAT-NO: 7002105

DOCUMENT-IDENTIFIER: US 7002105 B2

TITLE: Image heating apparatus

DATE-ISSUED: February 21, 2006

PRIOR-PUBLICATION:

| DOC-ID | DATE |
|-------------------|------------------|
| US 20050006370 A1 | January 13, 2005 |

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|-------|-------|----------|---------|
| Suzumi, Masahiko | Tokyo | | | JP |

US-CL-CURRENT: 219/216; 399/328

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 5. Document ID: US 6987251 B2

L41: Entry 5 of 6

File: USPT

Jan 17, 2006

US-PAT-NO: 6987251

DOCUMENT-IDENTIFIER: US 6987251 B2

TITLE: Heating apparatus with temperature detection system for identifying and notifying the user that the material to be heated is wound around the induction heating element

DATE-ISSUED: January 17, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050173416 A1

August 11, 2005

*Date No good
NY PM*

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|---------|-------|----------|---------|
| Fukushi; Kenji | Toride | | | JP |
| Yamauchi; Manabu | Kashiwa | | | JP |
| Nishihara; Hiroto | Toride | | | JP |
| Aiko; Yasuyuki | Toride | | | JP |
| Kinoshita; Hidehiko | Kashiwa | | | JP |
| Ohta; Tomoichirou | Kashiwa | | | JP |
| Hirayama; Takamitsu | Abiko | | | JP |

US-CL-CURRENT: 219/619; 219/667, 219/672, 399/328, 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | FIG | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--------|-----|--------|

☐ 6. Document ID: US 5920757 A

L41: Entry 6 of 6

File: USPT

Jul 6, 1999

US-PAT-NO: 5920757

DOCUMENT-IDENTIFIER: US 5920757 A

**** See image for Certificate of Correction ****

TITLE: Heater having an offset temperature detecting element and image heating apparatus having the heater

DATE-ISSUED: July 6, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|--------------|-------|----------|---------|
| Izawa; Satoru | Shizuoka-ken | | | JP |
| Takeda; Masami | Yokohama | | | JP |
| Miyamoto; Toshio | Numazu | | | JP |
| Hotta; Yozo | Susono | | | JP |
| Suzumi; Masahiko | Numazu | | | JP |

US-CL-CURRENT: 399/329; 219/216, 399/335

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | MAC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

| | | | | | |
|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

| Term | Documents |
|--|-----------|
| TEMPERATURE | 3570296 |
| TEMP | 852455 |
| TEMPS | 79786 |
| TEMPERATURES | 1150854 |
| ROLLER | 1120139 |
| ROLLERS | 766728 |
| MEMBER | 3852648 |
| MEMBERS | 2194489 |
| MEANS | 1889 |
| MEAN | 798908 |
| HEAT\$3 | 0 |
| (L40 AND ((HEAT\$3 OR THERMAL\$2 OR TEMPERATURE) WITH (ROLLER OR MEMBER OR MEANS))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 6 |

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☐ 1. Document ID: US 20050185980 A1

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L37: Entry 1 of 8

File: PGPB

Aug 25, 2005

PGPUB-DOCUMENT-NUMBER: 20050185980

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050185980 A1

TITLE: Developer carrier, developing device, image forming apparatus and computer system

PUBLICATION-DATE: August 25, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Okamoto, Katsumi

Nagano-ken

JP

US-CL-CURRENT: 399/103; 399/279

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | DOC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 2. Document ID: US 20030044208 A1

L37: Entry 2 of 8

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030044208

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030044208 A1

TITLE: Sheet ejecting device, curl eliminating device and image forming apparatus

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Kouno, Yuzo

Chiba-ken

JP

US-CL-CURRENT: 399/406

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | DOC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 3. Document ID: US 6775516 B2

L37: Entry 3 of 8

File: USPT

Aug 10, 2004

US-PAT-NO: 6775516

DOCUMENT-IDENTIFIER: US 6775516 B2

TITLE: Sheet ejecting device, curl eliminating device and image forming apparatus

DATE-ISSUED: August 10, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------|----------|-------|----------|---------|
| Kouno; Yuzo | Kamagaya | | | JP |

US-CL-CURRENT: 399/406; 162/271

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | FIGS | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

☐ 4. Document ID: US RE35923 E

L37: Entry 4 of 8

File: USPT

Oct 13, 1998

US-PAT-NO: RE35923

DOCUMENT-IDENTIFIER: US RE35923 E

TITLE: Fixing device, fixing method, and recording apparatus

DATE-ISSUED: October 13, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|-------------|-------|----------|---------|
| Mitsuya; Teruaki | Ibaraki-ken | | | JP |

US-CL-CURRENT: 399/330; 399/328, 399/67, 399/69

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | FIGS | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

☐ 5. Document ID: US 5752133 A

L37: Entry 5 of 8

File: USPT

May 12, 1998

US-PAT-NO: 5752133

DOCUMENT-IDENTIFIER: US 5752133 A

TITLE: Electrophotographic color image forming apparatus with image exposure means inside of photoreceptor drum

DATE-ISSUED: May 12, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|----------|-------|----------|---------|
| Nagase; Hisayoshi | Hachioji | | | JP |
| Haneda; Satoshi | Hachioji | | | JP |
| Tokimatsu; Hiroyuki | Hachioji | | | JP |
| Hamada; Shuta | Hachioji | | | JP |
| Miura; Toshihide | Koganei | | | JP |
| Fukuchi; Masakazu | Hachioji | | | JP |
| Ikeda; Tadayoshi | Hachioji | | | JP |

US-CL-CURRENT: 399/112; 347/138, 399/117

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 6. Document ID: US 4685792 A

L37: Entry 6 of 8

File: USPT

Aug 11, 1987

US-PAT-NO: 4685792

DOCUMENT-IDENTIFIER: US 4685792 A

TITLE: Copying paper feed device for an electrostatic copying apparatus

DATE-ISSUED: August 11, 1987

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Iseki; Masahide | Neyagawa | | | JP |
| Yoshiyama; Toshio | Sakai | | | JP |
| Kajita; Hiroshi | Kobe | | | JP |
| Itakiyo; Masanori | Sakai | | | JP |
| Kusumoto; Hiroshi | Takaishi | | | JP |
| Kawamori; Yoshizo | Fujiidera | | | JP |
| Kawamoto; Masuo | Daito | | | JP |

US-CL-CURRENT: 271/114; 271/119, 271/127, 271/164

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 7. Document ID: US 4674859 A

L37: Entry 7 of 8

File: USPT

Jun 23, 1987

US-PAT-NO: 4674859

DOCUMENT-IDENTIFIER: US 4674859 A

TITLE: Device for fixing a toner image in an electrostatic copying apparatus

DATE-ISSUED: June 23, 1987

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Iseki; Masahide | Neyagawa | | | JP |
| Yoshiyama; Toshio | Sakai | | | JP |
| Kajita; Hiroshi | Kobe | | | JP |
| Itakiyo; Masanori | Sakai | | | JP |
| Kusumoto; Hiroshi | Takaishi | | | JP |
| Kawamori; Yoshizo | Fujiidera | | | JP |
| Kawamoto; Masuo | Daito | | | JP |

US-CL-CURRENT: 399/122

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|

☐ 8. Document ID: US 4668076 A

L37: Entry 8 of 8

File: USPT

May 26, 1987

US-PAT-NO: 4668076

DOCUMENT-IDENTIFIER: US 4668076 A

TITLE: Electrostatic copying apparatus with unitized components for ease of maintenance

DATE-ISSUED: May 26, 1987

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Iseki; Masahide | Neyagawa | | | JP |
| Yoshiyama; Toshio | Sakai | | | JP |
| Kajita; Hiroshi | Kobe | | | JP |
| Itakiyo; Masanori | Sakai | | | JP |
| Kusumoto; Hiroshi | Takaishi | | | JP |
| Kawamori; Yoshizo | Fujiidera | | | JP |
| Kawamoto; Masuo | Daito | | | JP |

US-CL-CURRENT: 399/111; 399/117

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|
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| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

| Term | Documents |
|--------------------|-----------|
| "PRESS FIT\$4" | 0 |
| "PRESS CONTACT\$4" | 0 |
| PRESSFIT\$4 | 0 |

| | |
|--|------|
| PRESSFIT | 1999 |
| PRESSFITABLE | 1 |
| PRESSFITB | 2 |
| PRESSFITE | 7 |
| PRESSFITED | 4 |
| PRESSFITEDLY | 1 |
| PRESSFITFED | 1 |
| PRESSFITIED | 2 |
| (L36 AND (PRESSFIT\$4 OR PRESS-FIT\$4 OR PRESS-CONTACT\$4 OR PRESSCONTACT\$4 OR "PRESS FIT\$4" OR "PRESS CONTACT\$4")) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 8 |

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Search Results - Record(s) 1 through 16 of 16 returned.

☐ 1. Document ID: US 20060027113 A1

Using default format because multiple data bases are involved.

L47: Entry 1 of 16

File: PGPB

Feb 9, 2006

PGPUB-DOCUMENT-NUMBER: 20060027113

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060027113 A1

TITLE: Method and apparatus for thermal development with supporting surface for a development medium

PUBLICATION-DATE: February 9, 2006

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|----------------------------|-------------|-------|---------|
| Hackler; Mark A. | Ocean | NJ | US |
| Kannurpatti; Anandkumar R. | E. Windsor | NJ | US |
| McMillen; Robert A. | Downingtown | PA | US |
| Scheske; Todd M. | Rochester | NY | US |

US-CL-CURRENT: 101/463.1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 2. Document ID: US 20050036809 A1

L47: Entry 2 of 16

File: PGPB

Feb 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050036809

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050036809 A1

TITLE: Image heating apparatus

PUBLICATION-DATE: February 17, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-----------------|--------------|-------|---------|
| Fukita, Taku | Mishima-shi | | JP |
| Nanataki, Hideo | Yokohama-shi | | JP |
| Sano, Tetsuya | Shizuoka-ken | | JP |

| | | |
|--------------------|--------------|----|
| Hotta, Yozo | Mishima-shi | JP |
| Kemmochi, Kazuhisa | Mishima-shi | JP |
| Fukatsu, Makoto | Mishima-shi | JP |
| Abe, Keisuke | Shizuoka-ken | JP |

US-CL-CURRENT: 399/328

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 3. Document ID: US 20050031385 A1

L47: Entry 3 of 16

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050031385
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050031385 A1

TITLE: Image forming apparatus

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-----------------|--------------|-------|---------|
| Murata, Hiroshi | Yokohama-shi | | JP |

US-CL-CURRENT: 399/323

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 4. Document ID: US 20040240912 A1

L47: Entry 4 of 16

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------|-------|---------|
| Fujita, Shinsuke | Tokyo | | JP |
| Mizuno, Kyoichi | Tokyo | | JP |

US-CL-CURRENT: 399/328; 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 5. Document ID: US 20040234290 A1

L47: Entry 5 of 16

File: PGPB

Nov 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040234290

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040234290 A1

TITLE: Thermal fixing device and image forming apparatus

PUBLICATION-DATE: November 25, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------------|-------|---------|
| Tomatsu, Yoshiya | Kasugai-shi | | JP |

US-CL-CURRENT: 399/67; 399/328, 399/69

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | IMC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

☐ 6. Document ID: US 20040184846 A1

L47: Entry 6 of 16

File: PGPB

Sep 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040184846

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040184846 A1

TITLE: Image forming apparatus

PUBLICATION-DATE: September 23, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-----------------|--------------|-------|---------|
| Murata, Hiroshi | Yokohama-shi | | JP |

US-CL-CURRENT: 399/328; 219/619

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | IMC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

☐ 7. Document ID: US 20020118982 A1

L47: Entry 7 of 16

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020118982

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020118982 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---------------|-----------|-------|---------|
| Fuma, Hiroshi | Yamanashi | | JP |

US-CL-CURRENT: 399/329; 219/216

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 8. Document ID: US 20020118978 A1

L47: Entry 8 of 16

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020118978

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020118978 A1

TITLE: Image heating apparatus

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|--------------------|---------|-------|---------|
| Nakamura, Naoki | Boise | ID | US |
| Nishitani, Hitoshi | Ibaraki | | JP |

US-CL-CURRENT: 399/69

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 9. Document ID: US 6973284 B2

L47: Entry 9 of 16

File: USPT

Dec 6, 2005

US-PAT-NO: 6973284

DOCUMENT-IDENTIFIER: US 6973284 B2

TITLE: Induction heating apparatus having sheet releasing mechanism

DATE-ISSUED: December 6, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|----------|-------|----------|---------|
| Murata, Hiroshi | Yokohama | | | JP |

US-CL-CURRENT: 399/323; 219/216, 219/619, 399/300, 399/329

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 10. Document ID: US 6871039 B2

L47: Entry 10 of 16

File: USPT

Mar 22, 2005

US-PAT-NO: 6871039

DOCUMENT-IDENTIFIER: US 6871039 B2

TITLE: Induction heating apparatus having sheet releasing mechanism

DATE-ISSUED: March 22, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|----------|-------|----------|---------|
| Murata; Hiroshi | Yokohama | | | JP |

US-CL-CURRENT: 399/323; 219/216, 219/619, 399/329, 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

☐ 11. Document ID: US 6671471 B2

L47: Entry 11 of 16

File: USPT

Dec 30, 2003

US-PAT-NO: 6671471

DOCUMENT-IDENTIFIER: US 6671471 B2

**** See image for Certificate of Correction ****TITLE: Image heating apparatus

DATE-ISSUED: December 30, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|---------|-------|----------|---------|
| Nakamura; Naoki | Boise | ID | | |
| Nishitani; Hitoshi | Ibaraki | | | JP |

US-CL-CURRENT: 399/69; 219/216, 374/153, 399/320

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

☐ 12. Document ID: US 6650863 B2

L47: Entry 12 of 16

File: USPT

Nov 18, 2003

US-PAT-NO: 6650863

DOCUMENT-IDENTIFIER: US 6650863 B2

TITLE: Fixing unit and image forming apparatus

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------|-----------|-------|----------|---------|
| Fuma; Hiroshi | Yamahashi | | | JP |

US-CL-CURRENT: 399/329; 219/216, 399/328, 399/334

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 13. Document ID: US 6577840 B2

L47: Entry 13 of 16

File: USPT

Jun 10, 2003

US-PAT-NO: 6577840

DOCUMENT-IDENTIFIER: US 6577840 B2

TITLE: Method and apparatus for image forming capable of effectively performing an image fixing process

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|--------------|-------|----------|---------|
| Hachisuka; Toshiharu | Kanagawa-ken | | | JP |
| Yamada; Masamichi | Kanagawa-ken | | | JP |

US-CL-CURRENT: 399/329; 219/216, 399/328

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 14. Document ID: US 6114660 A

L47: Entry 14 of 16

File: USPT

Sep 5, 2000

US-PAT-NO: 6114660

DOCUMENT-IDENTIFIER: US 6114660 A

TITLE: Photothermographic element processor with flaps

DATE-ISSUED: September 5, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------|-------|----------|---------|
| Donaldson; Eric J. | St. Paul | MN | | |
| Preszler; Duane A. | River Falls | WI | | |

US-CL-CURRENT: 219/216; 347/156

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 15. Document ID: US 5365320 A

L47: Entry 15 of 16

File: USPT

Nov 15, 1994

US-PAT-NO: 5365320

DOCUMENT-IDENTIFIER: US 5365320 A

**** See image for Certificate of Correction ****TITLE: Sheet warp prevention mechanism employed in a fixing unit of an electrophotographic printer

DATE-ISSUED: November 15, 1994

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|---------|-------|----------|---------|
| Takano; Masatoshi | Akikawa | | | JP |
| Hirano; Masakazu | Tokyo | | | JP |

US-CL-CURRENT: 399/322; 219/216

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | PMC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|
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☐ 16. Document ID: US 5315359 A

L47: Entry 16 of 16

File: USPT

May 24, 1994

US-PAT-NO: 5315359

DOCUMENT-IDENTIFIER: US 5315359 A

TITLE: Heat roll fixing unit

DATE-ISSUED: May 24, 1994

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|---------|-------|----------|---------|
| Nishikawa; Tomoyuki | Matsudo | | | JP |

US-CL-CURRENT: 399/323; 271/308, 271/311, 399/328

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | PMC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|
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| Term | Documents |
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| ELEMENT | 3569278 |
| ELEMENTS | 3310007 |
| UNIT | 4832992 |
| UNITS | 1686157 |

| | |
|--|---------|
| TEMPERATURE | 3570296 |
| TEMP | 852455 |
| TEMPS | 79786 |
| TEMPERATURES | 1150854 |
| THERMOMETER | 98821 |
| THERMOMETERS | 10919 |
| SUPPORT | 3645151 |
| (L46 AND (((ELEMENT OR UNIT OR SENS\$3 DETECT\$3) WITH (HEAT\$3 OR THERMAL\$2 OR TEMPERATURE)) OR THERMOMETER OR THERMIST\$2) WITH ((PRESS\$4 OR CONTACT\$4) WITH (POSITION\$4 OR LOCAT\$4)) WITH (SUPPORT OR MEMBER OR SHAFT OR ROD OR BEAM))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 16 |

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☐ 1. Document ID: US 20040240912 A1

Using default format because multiple data bases are involved.

L49: Entry 1 of 2

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------|-------|---------|
| Fujita, Shinsuke | Tokyo | | JP |
| Mizuno, Kyoichi | Tokyo | | JP |

US-CL-CURRENT: 399/328; 399/330

| | | | | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|---------------------|------------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|---------------------|------------------------|

☐ 2. Document ID: US 6114660 A

L49: Entry 2 of 2

File: USPT

Sep 5, 2000

US-PAT-NO: 6114660

DOCUMENT-IDENTIFIER: US 6114660 A

TITLE: Photothermographic element processor with flaps

DATE-ISSUED: September 5, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------|-------|----------|---------|
| Donaldson; Eric J. | St. Paul | MN | | |
| Preszler; Duane A. | River Falls | WI | | |

US-CL-CURRENT: 219/216; 347/156

| | | | | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|--|--|------------------------|---------------------|------------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|--|--|------------------------|---------------------|------------------------|

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| Term | Documents |
|--|-----------|
| ELEMENT | 3569278 |
| ELEMENTS | 3310007 |
| UNIT | 4832992 |
| UNITS | 1686157 |
| UPSTREAM | 441849 |
| UPSTREAMS | 313 |
| UP-STREAM | 4858 |
| UP-STREAMS | 14 |
| DOWNSTREAM | 551385 |
| DOWNSTREAMS | 497 |
| DOWN-STREAM | 8979 |
| (L48 AND ((ELEMENT OR UNIT OR SENS\$3 DETECT\$3) WITH (LOCAT\$4) WITH (DIRECTION\$4 OR UPSTREAM OR UP- STREAM OR DOWNSTREAM OR DOWN-STREAM) WITH (CONTACT\$4) WITH (POSITION\$4))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 2 |

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Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20040240912 A1

Using default format because multiple data bases are involved.

L53: Entry 1 of 3

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------|-------|---------|
| Fujita, Shinsuke | Tokyo | | JP |
| Mizuno, Kyoichi | Tokyo | | JP |

US-CL-CURRENT: 399/328; 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 2. Document ID: US 6114660 A

L53: Entry 2 of 3

File: USPT

Sep 5, 2000

US-PAT-NO: 6114660

DOCUMENT-IDENTIFIER: US 6114660 A

TITLE: Photothermographic element processor with flaps

DATE-ISSUED: September 5, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------|-------|----------|---------|
| Donaldson; Eric J. | St. Paul | MN | | |
| Preszler; Duane A. | River Falls | WI | | |

US-CL-CURRENT: 219/216; 347/156

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 3. Document ID: US 5142339 A

L53: Entry 3 of 3

File: USPT

Aug 25, 1992

US-PAT-NO: 5142339

DOCUMENT-IDENTIFIER: US 5142339 A

TITLE: Image recorder with variable fuser nip entry position

DATE-ISSUED: August 25, 1992

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Kasahara; Nobuo | Yokohama | | | JP |
| Kawaishi; Yasunori | Narashino | | | JP |
| Hirono; Tatsuo | Kawasaki | | | JP |

US-CL-CURRENT: 399/322

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | WAC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|

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Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 20040240912 A1

Using default format because multiple data bases are involved.

L54: Entry 1 of 2

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------|-------|---------|
| Fujita, Shinsuke | Tokyo | | JP |
| Mizuno, Kyoichi | Tokyo | | JP |

US-CL-CURRENT: 399/328; 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 2. Document ID: US 6114660 A

L54: Entry 2 of 2

File: USPT

Sep 5, 2000

US-PAT-NO: 6114660

DOCUMENT-IDENTIFIER: US 6114660 A

TITLE: Photothermographic element processor with flaps

DATE-ISSUED: September 5, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------|-------|----------|---------|
| Donaldson; Eric J. | St. Paul | MN | | |
| Preszler; Duane A. | River Falls | WI | | |

US-CL-CURRENT: 219/216; 347/156

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

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| Term | Documents |
|--|-----------|
| PLANAR | 558398 |
| PLANARS | 174 |
| TAPE | 694085 |
| TAPES | 126850 |
| SUPPORT | 3645151 |
| SUPPORTS | 1243977 |
| MEMBER | 3852648 |
| MEMBERS | 2194489 |
| SHAFT | 2383819 |
| SHAFTS | 523207 |
| ROD | 1593575 |
| (L53 AND ((FLAT\$4 OR PLANAR OR TAPE) WITH (SUPPORT OR MEMBER OR SHAFT OR ROD OR BEAM OR PROJECTION OR SPRING))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 2 |

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 6114660 A

Using default format because multiple data bases are involved.

L56: Entry 1 of 1

File: USPT

Sep 5, 2000

US-PAT-NO: 6114660DOCUMENT-IDENTIFIER: US 6114660 A

TITLE: Photothermographic element processor with flaps

DATE-ISSUED: September 5, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------|-------|----------|---------|
| Donaldson; Eric J. | St. Paul | MN | | |
| Preszler; Duane A. | River Falls | WI | | |

US-CL-CURRENT: 219/216; 347/156

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KIND | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|--------|

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| Term | Documents |
|--|-----------|
| PLANAR | 558398 |
| PLANARS | 174 |
| TAPE | 694085 |
| TAPES | 126850 |
| SUPPORT | 3645151 |
| SUPPORTS | 1243977 |
| MEMBER | 3852648 |
| MEMBERS | 2194489 |
| SHAFT | 2383819 |
| SHAFTS | 523207 |
| ROD | 1593575 |
| (L55 AND ((FLAT\$4 OR PLANAR OR TAPE) WITH | |

| | |
|--|---|
| (SUPPORT OR MEMBER OR SHAFT OR ROD OR BEAM OR PROJECTION OR SPRING))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 1 |
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End of Result Set



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Print

L56: Entry 1 of 1

File: USPT

Sep 5, 2000

DOCUMENT-IDENTIFIER: US 6114660 A

TITLE: Photothermographic element processor with flaps

Detailed Description Text (7):

Heated member 14 is shown as being a rotatable cylindrical drum. Other shapes are contemplated. For example, heated member 14 could be a moveable, supported belt having a flat surface so that photothermographic element 12 is flat while being heated. However, cylindrical heated member 14 or heated member 14 having some other type of curved shape can allow for heating of photothermographic element 12 within a limited space. The width of heated member 14 should preferably be chosen to thermally develop the entire width of photothermographic element 12. The diameter of cylindrical heated member 14 should be chosen in conjunction with the desired throughput rate and the desired compactness of thermal processor 10. Similarly, the contact length and shape of an irregularly curved or a flat, supported belt can be chosen based on these considerations.

Detailed Description Text (55):

These parameters, of course, can be varied with the particular characteristics of photothermographic element 12 being developed and the throughput goals desired. For example, the temperature and rotation rate of heated member 14 can be varied as well as the dwell time for which photothermographic element 12 contacts heated member 14 in order to develop a photothermographic element 12 having different development requirements. In addition, both heated member 14 and guiding members 16 can have a resilient layer, or guiding members 16 can have a resilient layer while heated member 14 has a less resilient exterior surface. Plus, thermal processor 10 could be reconfigured so that the rotating rollers were heated members 14 and the cylindrical drum or the flat, supported endless belt could act as guiding member 16. It is preferred that the photothermographic emulsion layer of photothermographic element 12 contact resilient layer 38, however, the opposite side of photothermographic element 12 could also be in contact with resilient layer 38. In addition, it is also preferred that the photothermographic emulsion layer of photothermographic element 12 contact heated member 14, however, the opposite side of photothermographic element 12 could also be in contact with heated member 14.

Detailed Description Text (61):

FIG. 17 is an enlarged perspective view of one of the contact flaps 216 and its associated support structure. One end of the contact flap 216 is preferably retained between a base support bar 222 and a clamp 223 that are connected to each other by threaded fasteners 225 in the preferred embodiment. Also a part of the preferred support structure is a sleeve 224 into which a portion of the flap is inserted and which provides a curve in the normally planar nature of the preferred contact flap material. The base support bar 222, clamp 223, and sleeve 224 are preferably formed of metal, e.g., stainless steel, although other materials could also be used.

Detailed Description Text (87):

The angle .theta., shown in FIG. 9, at which element guide 60 guides photothermographic element 12 away from heated member 14 is important to minimize

the curl created due to the heating and cooling of photothermographic element 12. The flatness of photothermographic element 12 after being developed can depend on the angle at which the heated photothermographic element 12 is removed from heated member 14 and the temperature gradient within the photothermographic element 12 during the cooling process. In order to develop photothermographic element 12 with a dynamic curl (ANSI standard test PH1.29-1985) of preferably not more than 0.4 inch (10.0 millimeters) and more preferably not more than 0.2 inch (5.0 millimeters), photothermographic element 12 should not be subjected to abrupt changes in temperature as photothermographic element 12 is transported off heated member 14. In an ideal situation photothermographic element 12 is allowed to slowly equilibrate over an extended transport distance. It has been found that, for photothermographic element 12 having a thickness of 0.008 inch (0.20 millimeters), the angle θ should preferably be at least 10 degrees and more preferably between 10 and 50 degrees to achieve an acceptable flatness. For photothermographic element 12 having a different type and caliper of base material or emulsion/imaging layer, this angle θ may vary.

Detailed Description Text (112):

Optical scanning module 108 includes laser scanner 112 shown in FIG. 13. Laser scanner 112 includes laser diode 114 with collimating and polarizing optics 116, beam splitter 118 which splits 2-10% of the main beam for feedback to laser diode 114 for linearizing laser scanner 112, attenuator 120 to control the maximum power at the surface of film platen 144, resonant galvanometer scanner 122 to scan the beam in the fast scan direction x and linear galvanometer scanner 124 to scan the beam in the slow scan direction y on photothermographic element 12 which is statically disposed on film platen 144. A set of lenses 126 between the attenuator 120 and galvanometer scanners 122, 124 are used to focus the beam on film platen 144 with flat field correction across the slow scan direction y. Representative 2-D Infrared laser scanners 112 are described in U.S. Pat. Nos. 4,750,045, 5,237,444, and 5,121,138.

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☐ 1. Document ID: US 20040240912 A1

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L59: Entry 1 of 1

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------|-------|---------|
| Fujita, Shinsuke | Tokyo | | JP |
| Mizuno, Kyoichi | Tokyo | | JP |

US-CL-CURRENT: 399/328; 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | MMO | Draw Ds |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|

| Term | Documents |
|---------|-----------|
| PLANAR | 558398 |
| PLANARS | 174 |
| TAPE | 694085 |
| TAPES | 126850 |
| SPRING | 2386959 |
| SPRINGS | 689460 |
| MEMBER | 3852648 |
| MEMBERS | 2194489 |
| SHAFT | 2383819 |
| SHAFTS | 523207 |
| ROD | 1593575 |

| | |
|--|---|
| (L53 AND ((FLAT\$4 OR PLANAR OR TAPE) WITH (SPRING) WITH (SUPPORT\$3 OR MEMBER OR SHAFT OR ROD OR BEAM OR PROJECTION) WITH ((ELEMENT OR UNIT OR SENS\$3 DETECT\$3) WITH (HEAT\$3 OR THERMAL\$2 OR TEMPERATURE)) OR THERMOMETER OR THERMIST\$2))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 1 |
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☐ 1. Document ID: US 20040240912 A1

Using default format because multiple data bases are involved.

L62: Entry 1 of 4

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------|-------|---------|
| Fujita, Shinsuke | Tokyo | | JP |
| Mizuno, Kyoichi | Tokyo | | JP |

US-CL-CURRENT: 399/328; 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|

☐ 2. Document ID: US 3138685 A

L62: Entry 2 of 4

File: USOC

Jun 23, 1964

US-PAT-NO: 3138685

DOCUMENT-IDENTIFIER: US 3138685 A

TITLE: Dual bimetallic control thermostat

DATE-ISSUED: June 23, 1964

INVENTOR-NAME: ALCOTT ROLLIN A; LUNDBERG JOHN E

US-CL-CURRENT: 337/57, 337/107, 337/38, 337/78, 337/82, 337/89, 337/95

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|

☐ 3. Document ID: US 2415795 A

L62: Entry 3 of 4

File: USOC

Feb 11, 1947

US-PAT-NO: 2415795
DOCUMENT-IDENTIFIER: US 2415795 A

TITLE: Sadiron

DATE-ISSUED: February 11, 1947

INVENTOR-NAME: KOCI LUDVIK J

US-CL-CURRENT: 219/252; 219/254

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 4. Document ID: US 2376759 A

L62: Entry 4 of 4

File: USOC

May 22, 1945

US-PAT-NO: 2376759
DOCUMENT-IDENTIFIER: US 2376759 A

TITLE: Circuit breaker

DATE-ISSUED: May 22, 1945

INVENTOR-NAME: DYER LLOYD W; DORFMAN HILLER D

US-CL-CURRENT: 335/39, 335/145, 335/66, 68/263B

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

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| Term | Documents |
|--|-----------|
| ELEMENT | 3569278 |
| ELEMENTS | 3310007 |
| UNIT | 4832992 |
| UNITS | 1686157 |
| TEMPERATURE | 3570296 |
| TEMP | 852455 |
| TEMPS | 79786 |
| TEMPERATURES | 1150854 |
| THERMOMETER | 98821 |
| THERMOMETERS | 10919 |
| OE | 117783 |
| (L61 AND (((ELEMENT OR UNIT OR SENS\$3 | |

| | |
|---|---|
| DETECT\$3) WITH (HEAT\$3 OR THERMAL\$2 OR TEMPERATURE)) OR THERMOMETER OR THERMIST\$2) WITH (MOUNT\$4 OR AFFIX\$4 OR AFIX\$4 OE SECUR\$3 OR HELD OR RETAIN\$4) WITH (SUPPORT OR MEMBER OR SHAFT OR ROD OR BEAM))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 4 |
|---|---|

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☐ 1. Document ID: US 20040240912 A1

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L67: Entry 1 of 1

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Fujita, Shinsuke

Tokyo

JP

Mizuno, Kyoichi

Tokyo

JP

US-CL-CURRENT: 399/328; 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

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Search Results - Record(s) 1 through 20 of 20 returned.

☐ 1. Document ID: US 20060027113 A1

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L70: Entry 1 of 20

File: PGPB

Feb 9, 2006

PGPUB-DOCUMENT-NUMBER: 20060027113

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060027113 A1

TITLE: Method and apparatus for thermal development with supporting surface for a development medium

PUBLICATION-DATE: February 9, 2006

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|----------------------------|-------------|-------|---------|
| Hackler; Mark A. | Ocean | NJ | US |
| Kannurpatti; Anandkumar R. | E. Windsor | NJ | US |
| McMillen; Robert A. | Downingtown | PA | US |
| Scheske; Todd M. | Rochester | NY | US |

US-CL-CURRENT: 101/463.1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

☐ 2. Document ID: US 20050036809 A1

L70: Entry 2 of 20

File: PGPB

Feb 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050036809

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050036809 A1

TITLE: Image heating apparatus

PUBLICATION-DATE: February 17, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-----------------|--------------|-------|---------|
| Fukita, Taku | Mishima-shi | | JP |
| Nanataki, Hideo | Yokohama-shi | | JP |
| Sano, Tetsuya | Shizuoka-ken | | JP |

| | | |
|--------------------|--------------|----|
| Hotta, Yozo | Mishima-shi | JP |
| Kemmochi, Kazuhisa | Mishima-shi | JP |
| Fukatsu, Makoto | Mishima-shi | JP |
| Abe, Keisuke | Shizuoka-ken | JP |

US-CL-CURRENT: 399/328

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|

☐ 3. Document ID: US 20050031385 A1

L70: Entry 3 of 20

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050031385
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050031385 A1

TITLE: Image forming apparatus

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-----------------|--------------|-------|---------|
| Murata, Hiroshi | Yokohama-shi | | JP |

US-CL-CURRENT: 399/323

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|

☐ 4. Document ID: US 20040240912 A1

L70: Entry 4 of 20

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------|-------|---------|
| Fujita, Shinsuke | Tokyo | | JP |
| Mizuno, Kyoichi | Tokyo | | JP |

US-CL-CURRENT: 399/328; 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|

☐ 5. Document ID: US 20040234290 A1

L70: Entry 5 of 20

File: PGPB

Nov 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040234290

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040234290 A1

TITLE: Thermal fixing device and image forming apparatus

PUBLICATION-DATE: November 25, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------------|-------|---------|
| Tomatsu, Yoshiya | Kasugai-shi | | JP |

US-CL-CURRENT: 399/67; 399/328, 399/69

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | IMC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

☐ 6. Document ID: US 20040184846 A1

L70: Entry 6 of 20

File: PGPB

Sep 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040184846

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040184846 A1

TITLE: Image forming apparatus

PUBLICATION-DATE: September 23, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|-----------------|--------------|-------|---------|
| Murata, Hiroshi | Yokohama-shi | | JP |

US-CL-CURRENT: 399/328; 219/619

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | IMC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

☐ 7. Document ID: US 20020118982 A1

L70: Entry 7 of 20

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020118982

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020118982 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---------------|-----------|-------|---------|
| Fuma, Hiroshi | Yamanashi | | JP |

US-CL-CURRENT: 399/329; 219/216

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 8. Document ID: US 6973284 B2

L70: Entry 8 of 20

File: USPT

Dec 6, 2005

US-PAT-NO: 6973284

DOCUMENT-IDENTIFIER: US 6973284 B2

TITLE: Induction heating apparatus having sheet releasing mechanism

DATE-ISSUED: December 6, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|----------|-------|----------|---------|
| Murata; Hiroshi | Yokohama | | | JP |

US-CL-CURRENT: 399/323; 219/216, 219/619, 399/300, 399/329

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 9. Document ID: US 6871039 B2

L70: Entry 9 of 20

File: USPT

Mar 22, 2005

US-PAT-NO: 6871039

DOCUMENT-IDENTIFIER: US 6871039 B2

TITLE: Induction heating apparatus having sheet releasing mechanism

DATE-ISSUED: March 22, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|----------|-------|----------|---------|
| Murata; Hiroshi | Yokohama | | | JP |

US-CL-CURRENT: 399/323; 219/216, 219/619, 399/329, 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 10. Document ID: US 6671471 B2

L70: Entry 10 of 20

File: USPT

Dec 30, 2003

US-PAT-NO: 6671471

DOCUMENT-IDENTIFIER: US 6671471 B2

**** See image for Certificate of Correction ****

TITLE: Image heating apparatus

DATE-ISSUED: December 30, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|---------|-------|----------|---------|
| Nakamura; Naoki | Boise | ID | | |
| Nishitani; Hitoshi | Ibaraki | | | JP |

US-CL-CURRENT: 399/69; 219/216, 374/153, 399/320

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | FIGS | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|

☐ 11. Document ID: US 6650863 B2

L70: Entry 11 of 20

File: USPT

Nov 18, 2003

US-PAT-NO: 6650863

DOCUMENT-IDENTIFIER: US 6650863 B2

TITLE: Fixing unit and image forming apparatus

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------|------------|-------|----------|---------|
| Fuma; Hiroshi | Yamashashi | | | JP |

US-CL-CURRENT: 399/329; 219/216, 399/328, 399/334

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | FIGS | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|---------|

☐ 12. Document ID: US 6577840 B2

L70: Entry 12 of 20

File: USPT

Jun 10, 2003

US-PAT-NO: 6577840

DOCUMENT-IDENTIFIER: US 6577840 B2

TITLE: Method and apparatus for image forming capable of effectively performing an image fixing process

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|--------------|-------|----------|---------|
| Hachisuka; Toshiharu | Kanagawa-ken | | | JP |
| Yamada; Masamichi | Kanagawa-ken | | | JP |

US-CL-CURRENT: 399/329; 219/216, 399/328

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|

☐ 13. Document ID: US 6114660 A

L70: Entry 13 of 20

File: USPT

Sep 5, 2000

US-PAT-NO: 6114660

DOCUMENT-IDENTIFIER: US 6114660 A

TITLE: Photothermographic element processor with flaps

DATE-ISSUED: September 5, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------|-------|----------|---------|
| Donaldson; Eric J. | St. Paul | MN | | |
| Preszler; Duane A. | River Falls | WI | | |

US-CL-CURRENT: 219/216; 347/156

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|

☐ 14. Document ID: US 5502967 A

L70: Entry 14 of 20

File: USPT

Apr 2, 1996

US-PAT-NO: 5502967

DOCUMENT-IDENTIFIER: US 5502967 A

**** See image for Certificate of Correction ****

TITLE: Color variation inducing device

DATE-ISSUED: April 2, 1996

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|--------|-------|----------|---------|
| Nakagawa; Tanehiro | Nagoya | | | JP |
| Tomatsu; Tsutomu | Nagoya | | | JP |
| Ono; Yoshiaki | Gifu | | | JP |

US-CL-CURRENT: 62/3.3; 219/216, 219/229, 62/3.2

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | AMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 15. Document ID: US 5365320 A

L70: Entry 15 of 20

File: USPT

Nov 15, 1994

US-PAT-NO: 5365320

DOCUMENT-IDENTIFIER: US 5365320 A

** See image for Certificate of Correction **

TITLE: Sheet warp prevention mechanism employed in a fixing unit of an electrophotographic printer

DATE-ISSUED: November 15, 1994

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|---------|-------|----------|---------|
| Takano; Masatoshi | Akikawa | | | JP |
| Hirano; Masakazu | Tokyo | | | JP |

US-CL-CURRENT: 399/322; 219/216

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | AMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 16. Document ID: US 5315359 A

L70: Entry 16 of 20

File: USPT

May 24, 1994

US-PAT-NO: 5315359

DOCUMENT-IDENTIFIER: US 5315359 A

TITLE: Heat roll fixing unit

DATE-ISSUED: May 24, 1994

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|---------|-------|----------|---------|
| Nishikawa; Tomoyuki | Matsudo | | | JP |

US-CL-CURRENT: 399/323; 271/308, 271/311, 399/328

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | AMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 17. Document ID: US 4464561 A

L70: Entry 17 of 20

File: USPT

Aug 7, 1984

US-PAT-NO: 4464561

DOCUMENT-IDENTIFIER: US 4464561 A

TITLE: Development unit for dry silver recording paper

DATE-ISSUED: August 7, 1984

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|---------|-------|----------|---------|
| Hulin; David K. | Bramley | | | GB2 |

US-CL-CURRENT: 219/216; 219/388, 432/230

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 18. Document ID: US 4065120 A

L70: Entry 18 of 20

File: USPT

Dec 27, 1977

US-PAT-NO: 4065120

DOCUMENT-IDENTIFIER: US 4065120 A

TITLE: Copy paper stripping means

DATE-ISSUED: December 27, 1977

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|-----------|-------|----------|---------|
| Imaizumi; Masaru | Shinshiro | | | JA |
| Inagaki; Syotaro | Okazaki | | | JA |

US-CL-CURRENT: 271/311; 118/245, 271/900, 399/323, 432/60

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 19. Document ID: US 3452181 A

L70: Entry 19 of 20

File: USOC

Jun 24, 1969

US-PAT-NO: 3452181

DOCUMENT-IDENTIFIER: US 3452181 A

TITLE: ROLL FUSING DEVICE FOR XEROGRAPHIC MATERIAL

DATE-ISSUED: June 24, 1969

INVENTOR-NAME: STRYJEWSKI WALTER ANTHONY

US-CL-CURRENT: 219/216; 219/388, 219/469, 219/470, 250/319, 392/417, 392/421,
399/324, 399/330, 432/230, 432/31, 432/8

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

☐ 20. Document ID: US 2813959 A

L70: Entry 20 of 20

File: USOC

Nov 19, 1957

US-PAT-NO: 2813959

DOCUMENT-IDENTIFIER: US 2813959 A

TITLE: Billet holding and handling apparatus for electric induction heaters

DATE-ISSUED: November 19, 1957

INVENTOR-NAME: MITCHELL GEORGE A; GAYETSKY ELMER J

US-CL-CURRENT: 219/650, 219/637, 219/667

| Full | Title | Creation | Expt | Review | Classification | Date | Reference | | | Claims | DOC | Drawings |
|------|-------|----------|------|--------|----------------|------|-----------|--|--|--------|-----|----------|
|------|-------|----------|------|--------|----------------|------|-----------|--|--|--------|-----|----------|

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| Term | Documents |
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| ELEMENT | 3569278 |
| ELEMENTS | 3310007 |
| UNIT | 4832992 |
| UNITS | 1686157 |
| TEMPERATURE | 3570296 |
| TEMP | 852455 |
| TEMPS | 79786 |
| TEMPERATURES | 1150854 |
| THERMOMETER | 98821 |
| THERMOMETERS | 10919 |
| HELD | 2710602 |
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☐ 1. Document ID: US 20040240912 A1

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L71: Entry 1 of 1

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040240912

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040240912 A1

TITLE: Fixing unit and image forming apparatus

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|------------------|-------|-------|---------|
| Fujita, Shinsuke | Tokyo | | JP |
| Mizuno, Kyoichi | Tokyo | | JP |

US-CL-CURRENT: 399/328; 399/330

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
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| Term | Documents |
|---------|-----------|
| PLANAR | 558398 |
| PLANARS | 174 |
| TAPE | 694085 |
| TAPES | 126850 |
| SPRING | 2386959 |
| SPRINGS | 689460 |
| MEMBER | 3852648 |
| MEMBERS | 2194489 |
| SHAFT | 2383819 |
| SHAFTS | 523207 |
| ROD | 1593575 |
| | |

| | |
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